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## PATENT ABSTRACTS OF JAPAN

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states:(71) Applicant: **ASAHI GLASS CO LTD**(72) Inventor: **MIYAKE HARUHISA  
SUGAYA YOSHIO  
ASAWA TATSURO**

(74) Representative:

### **(54) SEPARATION OF LIQUID MIXTURE**

(57) Abstract:

**PURPOSE:** To use a high molecular membrane obtained from a solution prepared by dissolving a carboxylic acid type fluorinated copolymer in a hydrophilic org. solvent, in a method for separating a mixture containing an org. liquid according to vapor separation.

**CONSTITUTION:** In separating or concentrating a mixture comprising org. liquids or an org. liquid and water according to vapor separation, when a high molecular membrane, which is formed from a solution prepared by dissolving a copolymer consisting of a fluorinated ethylenic monomer and a carboxylic acid group containing ethylenic monomer (pref., fluorine contained one) in a hydrophilic org. solvent containing a small amount of water, is used, the efficiency of separation or concn. is enhanced and a permeation speed is also made fast. A separation temp. is selected from a

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range of 0W200°C and pressure from a  
range of vacuum W100kg/cm2.

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